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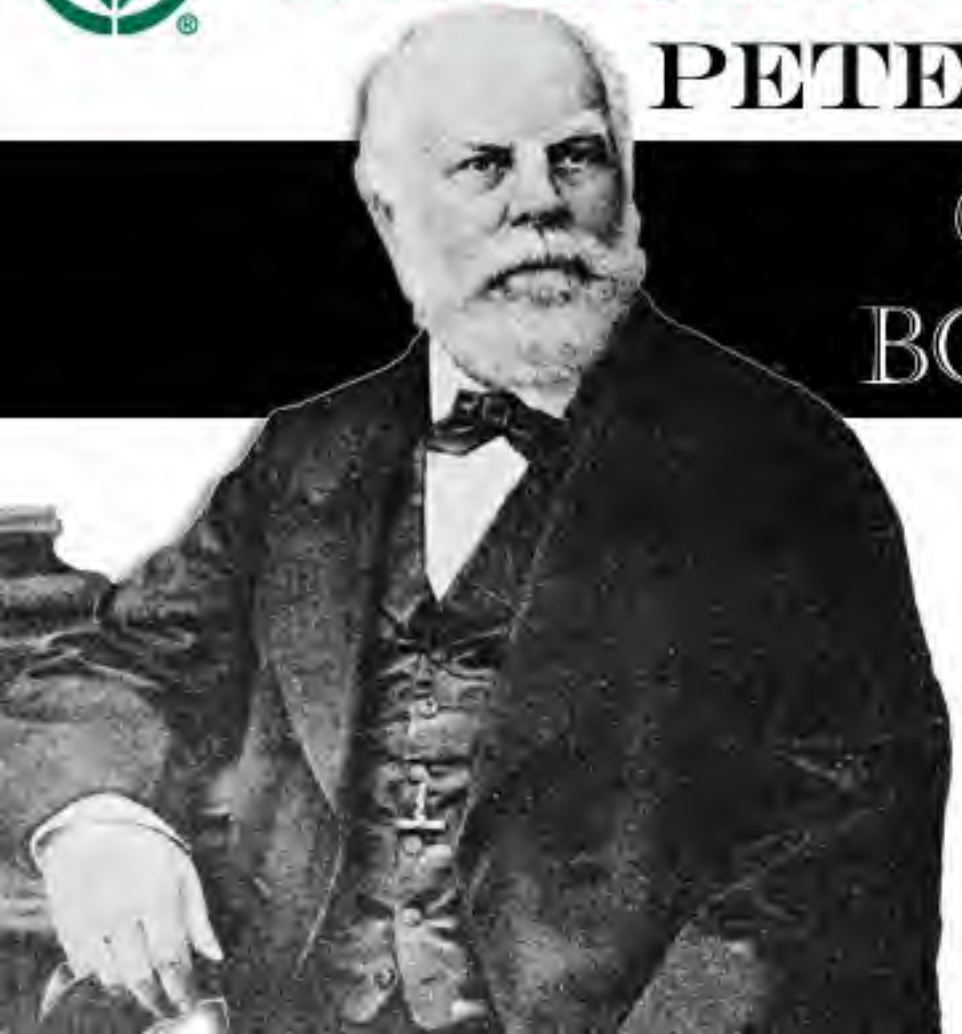

Pagination Note:
Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.

Acct Apr 25

Pinus Murrayana

San Francisco 29/3 60.

Lieber Peter!

Ich schreibe von 28 Peter ist mir so gekommen. Ich will sie nun ganz flüchtig mein Pinus besprechen.

Notes on Californian Trees
Part I by Andrew Murray
From the Edinburgh New Philosophical Journal, New series
for July 1859. p. 1–8.

Part II (same Journal) for
April 1860 p. 9–31.

Die Sache ist ziemlich lang, für mein Halle:

Without going into minute detail as to the differences between the two, I shall only observe, that the cone of P. muricata is 3 inch. in length; while a pretty extensive series of P. Murrayana enables me to say that its dimensions are from 1½–2 inch

0 1 2 3 4 5 6 7 8 9 10 cm
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Herr Professor Dr. Asa Gray
Cambridge
Mass.
U.S.A.

Frankfurt a/M. 1. 8. 1878.

Hochgeehrter Herr Professor!

Ihre freundliche Zusendung Ihrer Abhandlung über die Gattung Hydrangea hat mir grosse Freude gemacht, und ich bin Ihnen sehr dankbar dafür. Ich habe mich schon lange mit dem Studium dieser Gattung beschäftigt, und habe auch eine Monographie derselben vorbereitet, die ich aber jetzt, nachdem Sie Ihre Arbeit veröffentlicht haben, nicht mehr publiciren werde. Ich habe nämlich nur wenig Neues zu sagen, und Ihre Arbeit ist so vollständig, dass ich nichts hinzuzufügen habe. Ich habe nur noch einige Bemerkungen zu machen, die ich Ihnen hier mittheile.

Ich habe Hydrangea Thunbergii Sieb. et Zucc. in Japan lebend gesehen, und kann Ihnen versichern, dass es eine gute Art ist. Sie ist sehr leicht kenntlich an den kleinen, fast kreisrunden, dicken, lederartigen, dunkelgrünen Blättern, die sich auch im Herbarium gut erhalten. Sie ist in Japan sehr verbreitet, und wächst in Gebüschen und Wäldern, besonders auf Bergen, bis zu einer Höhe von 1000 Fuss. Sie blüht im Juli und August. Ich habe sie auch in Nagasaki in Gärten gesehen, wo sie aber nicht blühte. Ich habe sie auch in Yokohama gesehen, wo sie aber nicht blühte. Ich habe sie auch in Yokohama gesehen, wo sie aber nicht blühte.

Hydrangea Otaksa Sieb. et Zucc. ist eine sehr gute Art, die ich auch lebend gesehen habe. Sie ist sehr leicht kenntlich an den grossen, eiförmigen, zugespitzten

88051

in length. Again P. Murrayana has a very peculiar long spine, or rather prickle, from 1-2 lines in length, sticking outwards and backwards from the middle of each scale, while P. muricata has only "a slight ridge running across the scales near the top, terminated by a short, straight broad prickle in the centre. In the specimens of P. Murrayana which were received from Jeffrey, these spines were broken off, and the cones is figured, and Mr. Gordon is not responsible for the error thence arising; but they are well marked in specimens since sent, more than once, by my brother and now in the Museum of the Botanic Garden.

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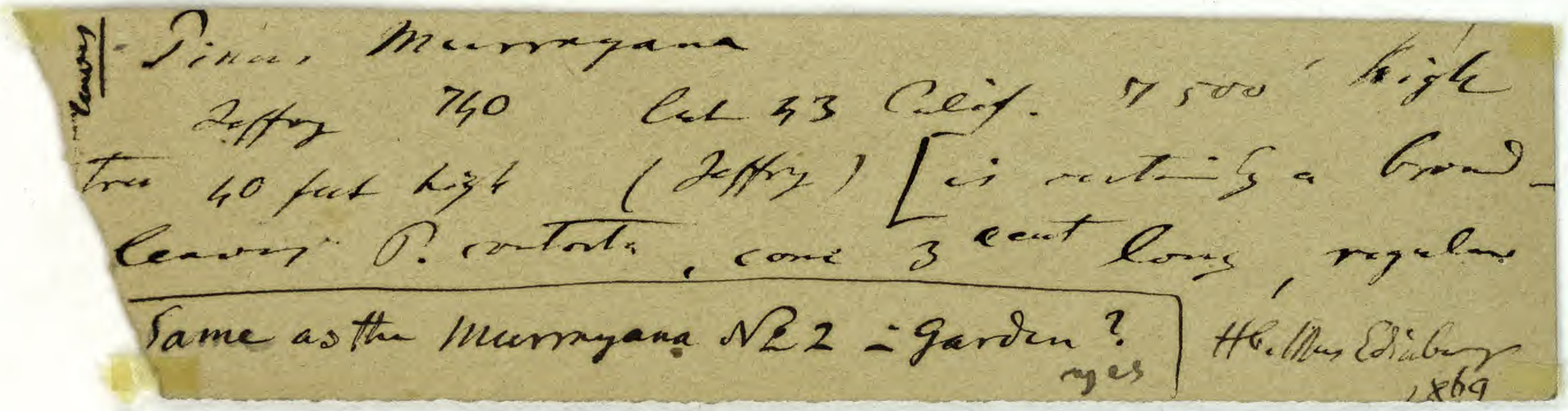
Pinus Murrayana
Jeffrey 740 Cat 43 Calif. 7500' high
tree 40 feet high (Jeffrey) [in cutting a Road-
Leaves P. contorta, cone 3 cent long, regular
Same as the Murrayana N22 - Garden? yes
H. Allen Edinburgh 1869

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Pinus contorta Douglasii (Bolander "P. murieata ?")

mostly 4–15 feet; only one tree seen 20–25' high

with diameter of 16 or 17 inches — Cones very prickly

— The specimens sent come from a tree

15 feet high, 5 inches diam.

Mendocino Bolander May? 1865

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P. Murrayana
Jeffreys Orkney, Diskigan
Aberd 1852

2½ | Length of leaf according to Orig. Descr.
3.2½ | Length in the figure 4-4
Length in Jeffreys Edinburgh
" " Kew specimen

Jeffreys 1853 Orkney

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CHARLES CONNON,

NURSERYMAN AND FLORIST,

2740 WASHINGTON AVE.,

GREENHOUSES,
Webster Groves, P. R. R.

ST. LOUIS.

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Pinus ponderosa Dougl. ; Dry Cañon Rep.

740. Jeffrey Oct 21. 1852. Sierra Nev. 7500 feet alt
= 46 ~~H. Edwd~~ Kew!
Leaves 2 1/2 - 3 1/2 inches long, 2 or 3 in a sheath
740 Jeffrey Calif. Oct 43° 7500 feet alt. "Cone 3 cent
= 1 1/2 inch long, regular" = 46 H. Edwd.
Leaves only 1 3/4 inches long — exactly = Count of the
— no date on the Cabinet

740. Jeffrey. 1853 Walker Exp. Sierra Nevada Sept 20
Leaves only 1 - 1 1/2 inches long — a diminished contents!

740 Jeffreyi = dry Cañon Rep. shows leaves 3 inches long
sheath ~~beyond~~ decurrent. given then 2 - 2 1/2 inches = Length.
cone 2 - 2 1/2 inches long. — Jeffreyi bracts
exposure with the first specimen mentioned
above, = 46 Kew

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Dear Sir,

Will you please
come over & see Benny. He
has some fever & does not

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9

Pinus contorta Dougl, Colorado

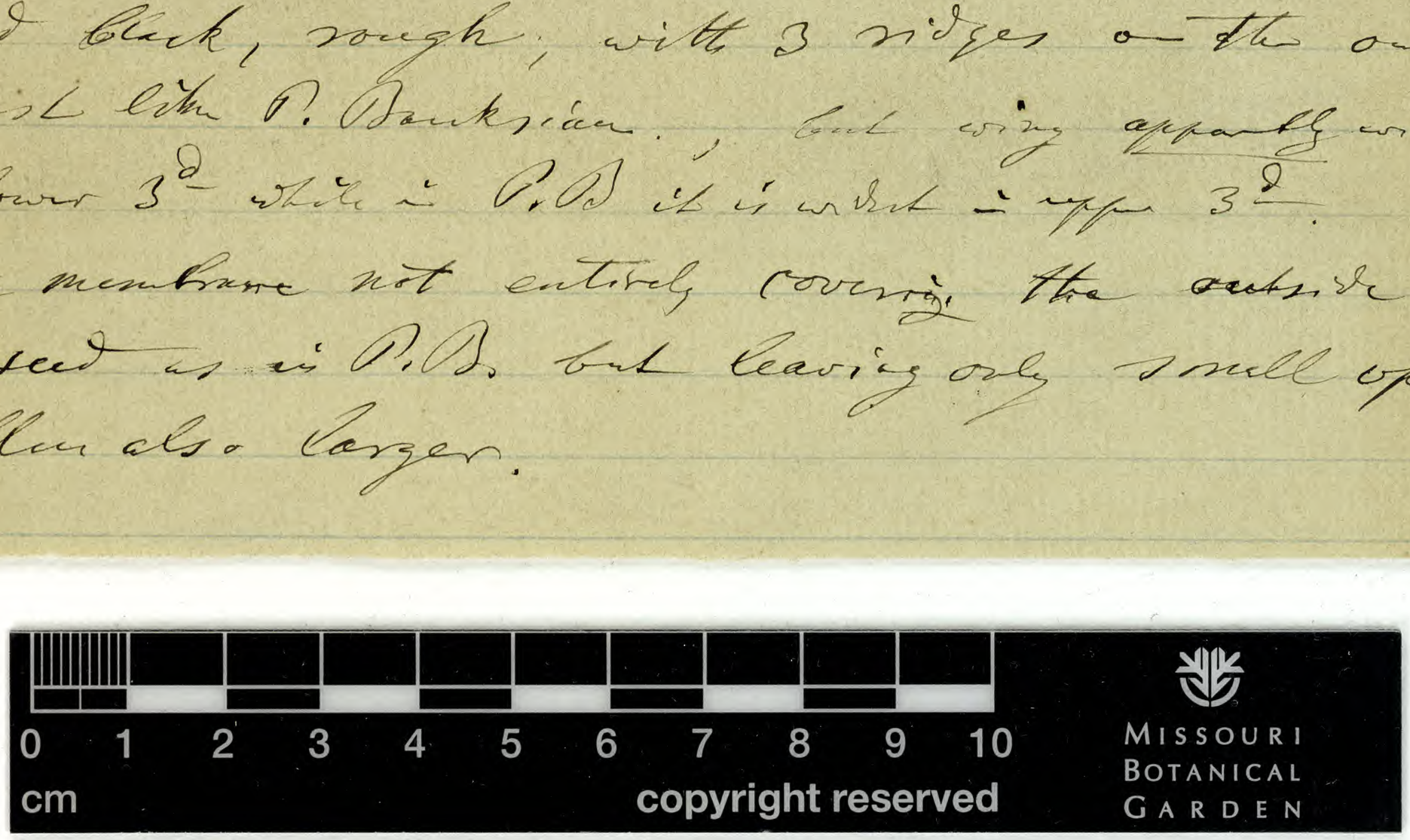
Quite abundant on the crest and slopes of dry interglacial ridges, extending to near the snow line. Trunk slim tapering, less than 1 foot diam. with thin smooth greyish brown bark, 50-80' high; narrow outline, scant foliage towards the tips of young branches. Wood rather hard and liable to warp. Growth rapid; annual rings large. Foliage duller green than P. Banksiana Aug 1861

The main part of the forest on subalpine ridges, in dry valleys more bushy, forming a symmetrical tree, 30-40 feet high. 12 inches diameter, persistent cones. Wood tough, elastic, not very resinous. Bark scales off in thin small scales.

Used for small logs and for shingles, rarely cut into board

Aug 1861

Sept 1863 examined. Cones & seeds — Only the uppermost persistent cone scales bear seeds — just as P. Banksiana. — Cone remains often closed even if containing ripe seeds. — Seed black, rough, with 3 ridges on the outside or upper. Just like P. Banksiana, but wing apparently widest in lower 3d while in P. B. it is widest in upper 3d. Wing membrane not entirely covering the outside of the seed as in P. B. but leaving only a small open collar also larger.



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Americana Cor. Fort Kent Sept 6.7 1869

P. contorta Dougl. Dr Lyall Aug 1860 — the stout leaved form, it forms the great bulk of the forest between 4500 - 6500 feet, large trees 1½ feet Diam - 60-70' high — East side of Cascade Mts. 49° Lat. the same, & quite typical — scales spines tipped, as in P. rigid — Aug 1861 — Galton Range, Rocky Mts 49° Lat. cones of last years on same spec — nearly apical — only a few old leaves above them Another spec — coll by the same, 1861, on Pend Oreille River has male cones not fully developed, several cones of different years one above the other, small and quite knobby.

P. contorta sub var. P. mitis Nesqually, Puget Sound, Jeffrey, Jan 8 1852, the narrow leaved form, half ripe cone with immediate scales, remote, apparently typical Cascade Mountains Lyall, Sept 1859 with 2 typical cones quite immediate scales

Specimen from Sitka is quite similar, cone apical immediate 2 spec from Vancouver's Island, Lyall 1857 have still smaller ripe cones, apical, persistent, all open

P. inops with Short's label: "No 1 one of the most common species on the Mountains of Kentucky".

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Pii contorta
Sonora Sierra Nevada
Sargent 1878

Sept 11 '78

8 arrangt
21 of series

2 inches long, not as knobby nor as oblique as usual — prickles slender, awl-like
"all the cones opening at maturity / before Sept 30
and falling off soon — which all persistent

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Orlando Aug 14 1867.

Pinus contorta Sandy coasts from
Mendocino to Alaska 1000 miles

The bay of the mouth of Eel river
in northern California is separated from
the Ocean by a sand bar covered with
P. contorta

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GEO. ENGELMAN, M. D.
Office & Residence; 3003 Locust St.

P. contorta

Brewer: called Tamarak on Shasta at 7500 alt. – forms great forests on the high Sierras – cones not as persistent as in Murrayana.

Noticed that it occurs on the coast and again on the high Sierras (above 6000') not peculiar a cold not wind – Sometimes on the coast

Bolander: high, slender in the Sierras; shrubby 5–15 feet on the poor pebbly soil of the coast – sometimes to 35 feet, on the sea coast forms not south of Santa Cruz strong largest 20–25' high 55 inches circumference old cones absolutely cover the tree! bark thin

12077

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MACDONALD & CO.

PER MARE PER TERRAS

PRESCRIPTION DRUGGISTS,

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1879
April

P. contorta vera, Douglasiana

Seed black rough, ridged above

2 lines long

with wing 6-7, rarely 8 lines long

Young shoot 2½ lines long as seed

wide wing partly covers dorsal face of seed

widest below the middle, wing about 2 lines or less

slightly shining

5-6 lines long spikes 10-18 lines long

P. contorta latifolia Colorado seeds are exactly the same, perhaps a little more slender.

6 6"L - 4th 12"C of the Calif. Sierras unknown

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OFFICE 2015 S. 5th St. RESIDENCE 3003 Locust St.

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C. contorta Californica
Colomb
April 1879

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Rec Nov 23

Colorado, Contorta
with seeds ?

BOTANIC GARDEN,

HARVARD UNIVERSITY,

~~Cambridge, Mass.~~ 187

Pinus Contorta

and some of those from Colorado

a Region. Some ~~from~~ like my plant.

Are the cones from Colorado. collected

by Hall & Harbour. has the serotinous

cones. but even this may have been

collected early in the season as the

habit of collecting is not given. (a cones

habit!) In the California plant the

cones do not persist more than one

year. usually so long. certainly I saw

none. where they were strung on

as in P. ~~g~~ Tæda. In the whole I am

rather inclined to the belief that

this Sierra plant is distinct from

the Colorado + Oregon one. but

you must decide - It is one of the

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most beautiful of the Pines. often so
last kept. and as straight as an arrow.
even as Iwata Jim before with the net
line of the European Larch.

Send for a specimen of the Juniper
that is common & central towards
also part of the State. a specimen
of P. virginiana with ripe 1878 cone.
a bit of branch. P. flexilis. and
also a bit Sabine Stock for the
same species in the Sierras - I subtrace
I am wrong & that it is P. monticola.

The absence of cones misleads me.
So I take back what I said about
Pinus flexilis in California; and
now say that I may not have seen
it there at all - as it is best to be on the
safe side - although my opinion is that
I saw it mixed with P. monticola.
I have not yet looked at the catkin leaves
of the Juniper. but I think I am right
about the species. Pray let me hear from
you on all these points. With best wishes. C. S. Sargent.

Pinus albicaulis Engelm

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Notes by C S Sargent on Pinus contorta Dec 5th 1877

Oregon, Dufur, 1875 cones 4 years persisting, but open
scales not at all awned

Vancouver Island, Lyall. = scales long awned

? Kellogg. small cones with very short awns

Calafornia Bolander (Whipple) awned

awned

Western Utah long awned

Calif South Sierra, Sargent long awned

Calif Plumas Co Mrs Ames long awned "longer than ever seen in any other"

None show a serotinous character of cones

None, except first, persistence !

"I can not refer Bolanderi" (authentic !) to any form of contorta

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SEC. 5. Any principal or teacher of any private or public school in the City of St. Louis having official or authentic information of the existence of any infectious or contagious disease in the family of any pupil attending said school shall immediately cause the removal of said pupil from said school, and until he (or she) shall have undoubted proof of the premises where the family reside being disinfected, and the disease eradicated. Any failure on the part of any principal or teacher complying with the provisions of this section shall be deemed guilty of a misdemeanor, and upon conviction thereof be fined in a sum not less than three nor more than ten dollars.

/2081/

Approved February 19, 1878.

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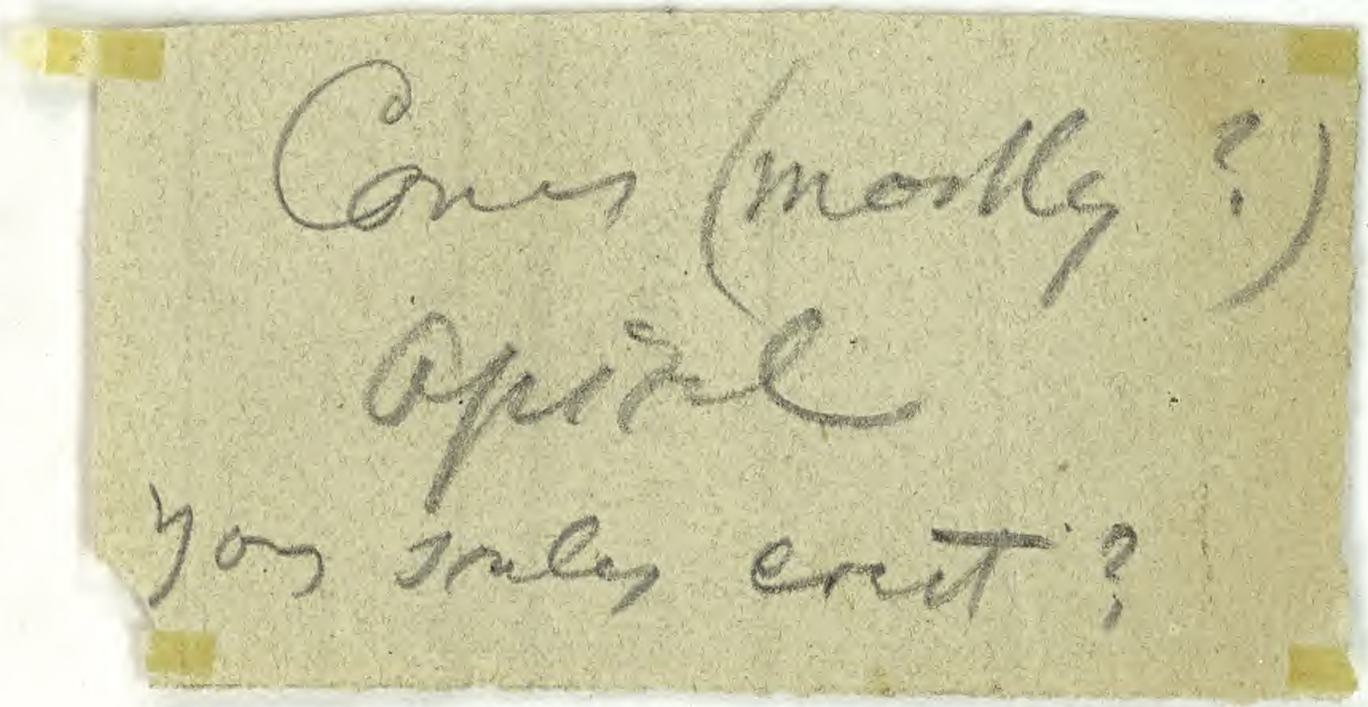

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N.° Piano

ITÀ NATURA E CONTENU

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Kew Sept 1869 Yes, Sept 1870

I have now reexamined all the sp. referred to Cotula for the Herbarium to the Pamphs — & for Sitka to which Pers and finds no essential diffce — Marrowed with leaves more or less pinnatifid petioles of cone — scales, more or less stout prickles — Cones apically most always capitate The northern forms seem more narrow leaved.

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Contorta Long leaved forms
Hathorn, Sonoma Co. 70-80
(Jeffrey?) Columbia river
Perry 1863 55-65 70-80c
Jeffrey Siskyou Mts 60-85
usual length 4-5 rarely 3 cut

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HB. H.B. Edinburg Aug 30 1869

Pinus contorta 1478. Siem record Sept 1853
short & slender leaves; terminal cones
straight, not much knobbed; regular

Puget Sound

"Pinus nitida" Nesqually Jun 8 1852
is a 2 leaved spruce with short oval terminal
cone, (strobile) scales long pointed
male spike 7 cent long, scarce 2 wide, many
short anths — big lemon colt bract,
The spike of 8 ft resembles much P. abies in
shape Gunn — bracts on young shoot very
prominent cones linear, subulate at point. Jeffrey
Coy

another 2 leaved named Pinus antici
correct to Hoops — marked — Fraser Nesqually
and is ink G has also terminal
recurved cones, but with shorter points
which soon disappear — and long cylindrical
anants is short spikes (3 cent long) otherwise
looks exactly like the other Jeffrey Coy

"Pinus tremula" Mr A Murray"
is a vigorous shoot with long leaves mostly
2, also 3, perhaps P. ponderosa?

"P. contorta Klamath Lake Oregon
Aug 1865 A Brown" a bare
fragment ± male flowers (just open!)
short anants

P. contorta Victoria, Vancouver Island
"scotch fir" of Vancouver, abundant — along the
coast — short slender leaves — knobby cones
(some terminal, persist, 3 generations on one
of the specimens (R Brown?)

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Lianas mihi, corrected to:

P. chaps. and then to

P. contorta

which is correct; from Columbia River

May 16 1851; Lianas should read as

stands as 8 and 1 Cay corrections

Lianas

tomentel cons

HC. HB Ed'nb. Aug 30 1869

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HB H.B.E.I. Bg Aug 30 1869

Pinus 740 Sept 20 1853 Wreck Bay

2 spurs ~~no~~ 2 — one is contorta Siam Record

the other is a dilated cone with short spikes

Cones one removed, upper one pateliform

erect; (one oval 4½ cent. long

[See other note of 740, where it is called P. Murrayana]

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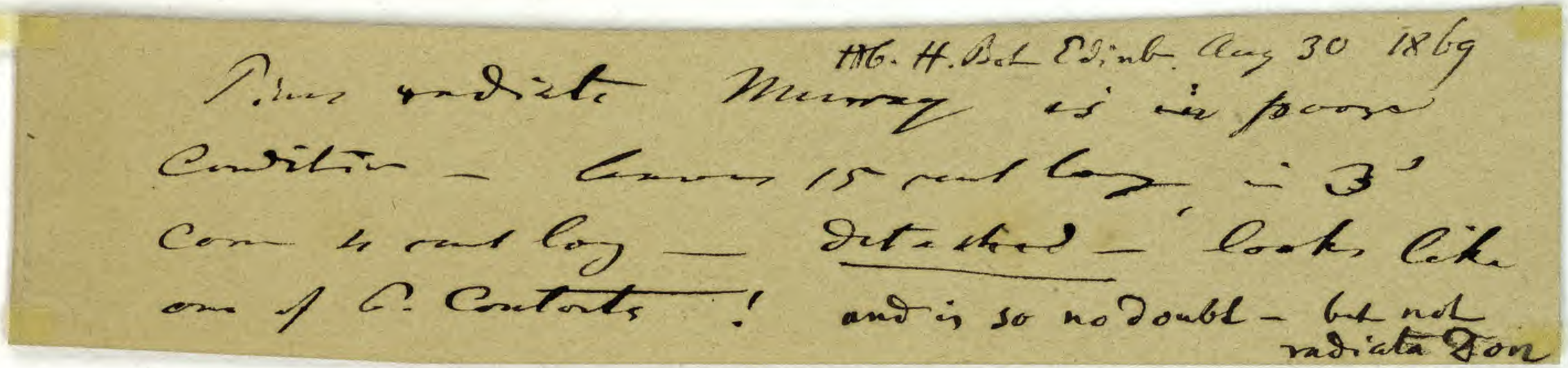

Pinus radiata Murray is in poor
Condition — Leaves 15 cent long — in 3's
Cone 4 cent long — detached — looks like
one of C. Contorta! and is so no doubt — but not
radiata Don

HHG. H. Bot Edinb. Aug 30 1869

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